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APPARATUS AND METHOD FOR SOLID OXIDE FUEL CELL AND
THERMO PHOTOVOLTAIC CONVERTER BASED POWER
GENERATION SYSTEM

ABSTRACT

A method and apparatus for providing a source of power, comprising: a solid oxide fuel cell system and a thermo photovoltaic device. The solid oxide fuel cell system provides a first source of power, wherein the solid oxide fuel cell system produces heat waste when the solid oxide fuel cell is providing the first source of power. The thermo photovoltaic device provides a second source of power and the thermo photovoltaic device provides the second source of power from the heat waste of the solid oxide fuel cell system which is further heated by a combustor in order to provide the second source of power.